Ď `	Application No.	Applicant(s)	
Notice of Allowability			
	09/473,868 Examiner	HANAOKA ET AL.	
·	Abbas I Abdulselam	2674	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	pplication. If not include n will be mailed in due	ed course. THIS
1. X This communication is responsive to 12/16/04.			
2. The allowed claim(s) is/are <u>1-17</u> .			
3. The drawings filed on <u>28 December 1999</u> are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application No		tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			IOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the sheet	son's Patent Drawing Review (PTO . s Amendment / Comment or in the 6 .84(c)) should be written on the drawi	Office action of ings in the front (not the	e back) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date	5. ☐ Notice of Informal I 6. ☐ Interview Summary Paper No./Mail Da 7. ☐ Examiner's Amend 8. ☑ Examíner's Statem	y (PTO-413), ate Iment/Comment	
of Biological Material	9. Other XIAO WU PRIMARY EXAMIN	/u IER	

Art Unit: 2674

: DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Ohe et al. (USPN 6504594) teach a picture element electrode with an H-shaped structure, as shown in FIG. 4, a common electrode 5 with a cruciform structure, a part of each of the electrodes having a structure functioning as capacitance elements.

Regarding claim 1, none of the cited prior art teaches or suggests a method of driving a liquid crystal display device, said liquid crystal display device comprising: a first substrate; a second substrate opposing said first substrate with a gap there between; a liquid crystal layer confined in said gap; a thin-film transistor formed on said first substrate; a conductor pattern formed on said first substrate in electrical connection with said thin-film transistor, said conductor pattern supplying an alternate-current driving voltage signal to said thin-film transistor; a pixel electrode provided on said first substrate in electrical connection to said thinfilm transistor; an auxiliary electrode having an H-shaped form including a pair of parallel conductor portions and a conductor portion connecting said parallel conductor portions, formed on said first substrate in the vicinity of said data bus line such that said parallel conductor portions extend along said data bus line and so as to form an auxiliary capacitance connected parallel to said pixel electrode said auxiliary electrode being disposed so as to induce a lateral electric field between said auxiliary electrode and said data bus line; and an opposing electrode formed on said second substrate, said method comprising the step of: applying to said auxiliary electrode a common voltage substantially equal to a central voltage of said alternate-current driving voltage signal, wherein the liquid crystal display device is a twisted-nematic type.

Art Unit: 2674

Regarding claim 8, none of the cited prior art teaches or suggests a liquid crystal display device, said liquid crystal display device comprising: a first substrate; a second substrate opposing said first substrate with a gap there between; a liquid crystal layer confined in said gap; a thin-film transistor formed on said first substrate; a data bus line formed in electrical connection with said thin-film transistor; a driving circuit supplying an alternate-current driving voltage signal to said thin-film transistor via said data bus line; a pixel electrode provided on said first substrate in electrical connection to said thin-film transistor; an auxiliary electrode having an H-shaped form including a pair of parallel conductor portions and a conductor portion connecting said parallel conductor portions, formed on said first substrate in the vicinity of said data bus line such that said parallel conductor portions extend along said data bus line and so as to form an auxiliary capacitance connected parallel to said pixel electrode said auxiliary electrode being disposed so as to induce a lateral electric field between said auxiliary electrode and said data bus line; an opposing electrode formed on said second substrate; and a directcurrent source applying, to said auxiliary electrode, a common voltage substantially equal to a central voltage of said alternate-current driving voltage signal, wherein the liquid crystal display device is a twisted-nematic type.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/473,868

Art Unit: 2674

2. Any inquiry concerning this communication or earlier communication from the examiner

should be directed to Abbas Abdulselam whose telephone number is (703) 305-8591. The

examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Richard Hjerpe, can be reached at (703) 305-4709.

Any response to this action should be mailed to:

Commissioner of patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand delivered responses should be brought to Crystal Park II, Crystal Drive, Arlington,

VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Technology center 2600 customer Service office whose telephone

number is (703) 306-0377.

Abbas Abdulselam

Page 4

Examiner

Art Unit 2674

January 17, 2005

XIAO WU PRIMARY EXAMINER